

Fig. 1

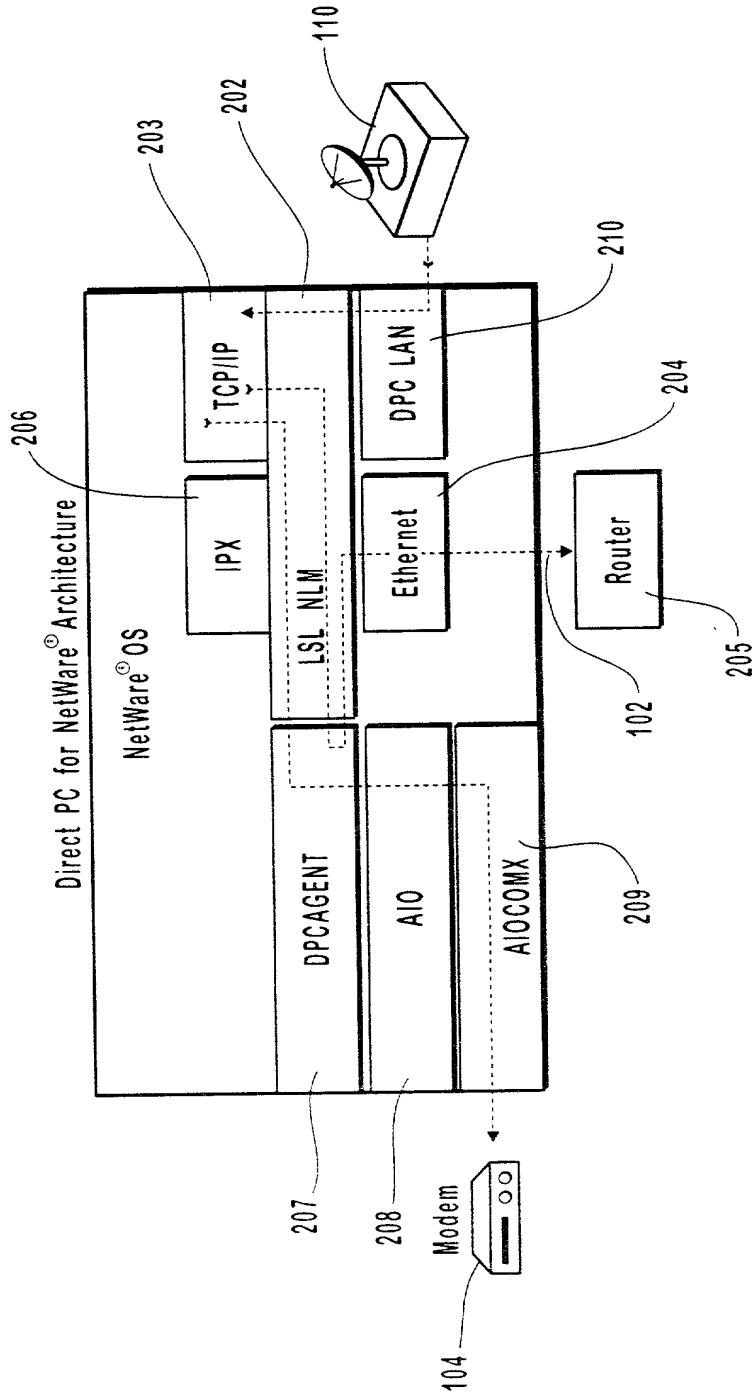


Fig. 2

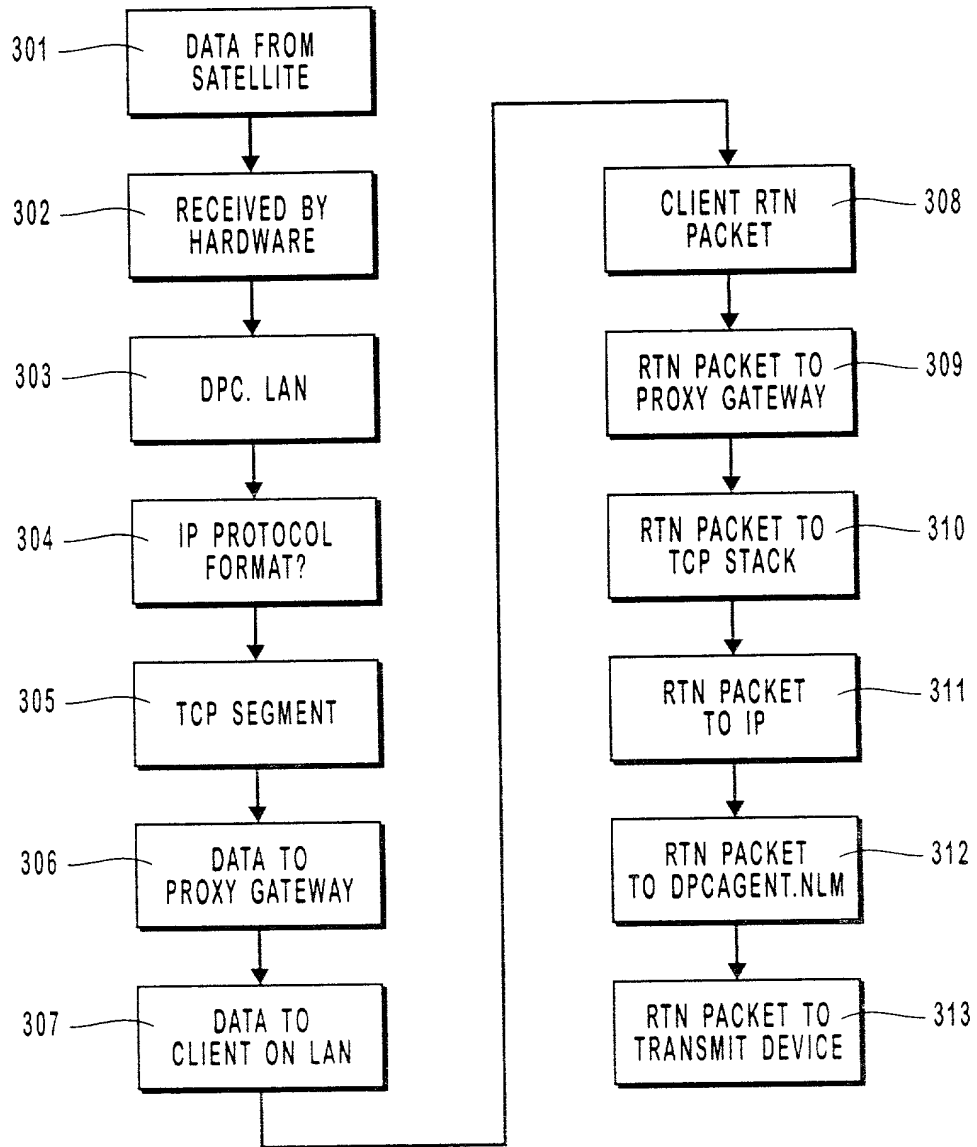


Fig. 3

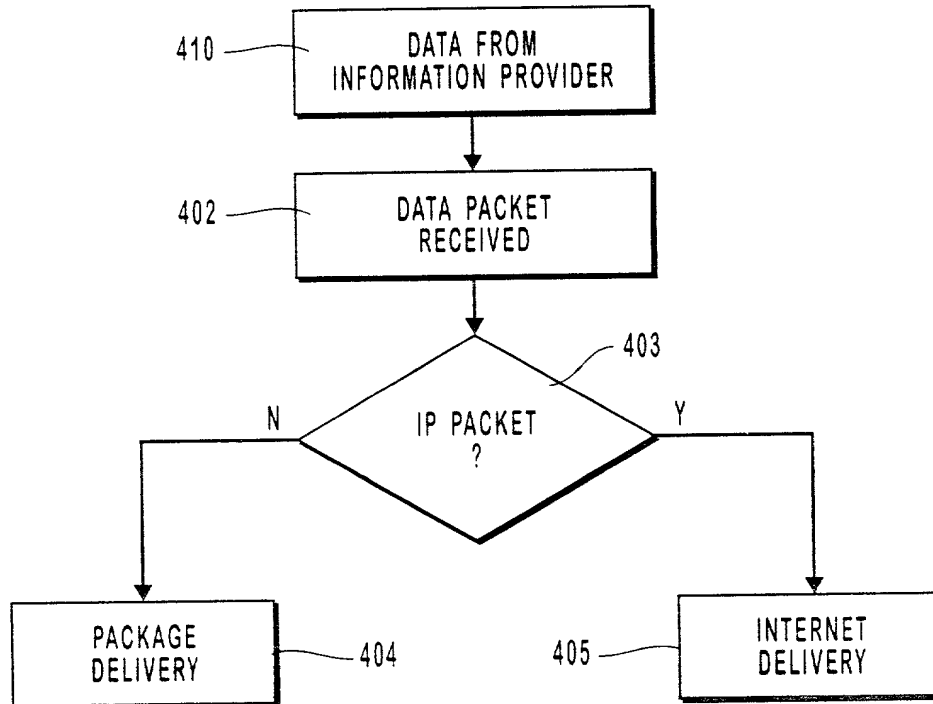


Fig. 4

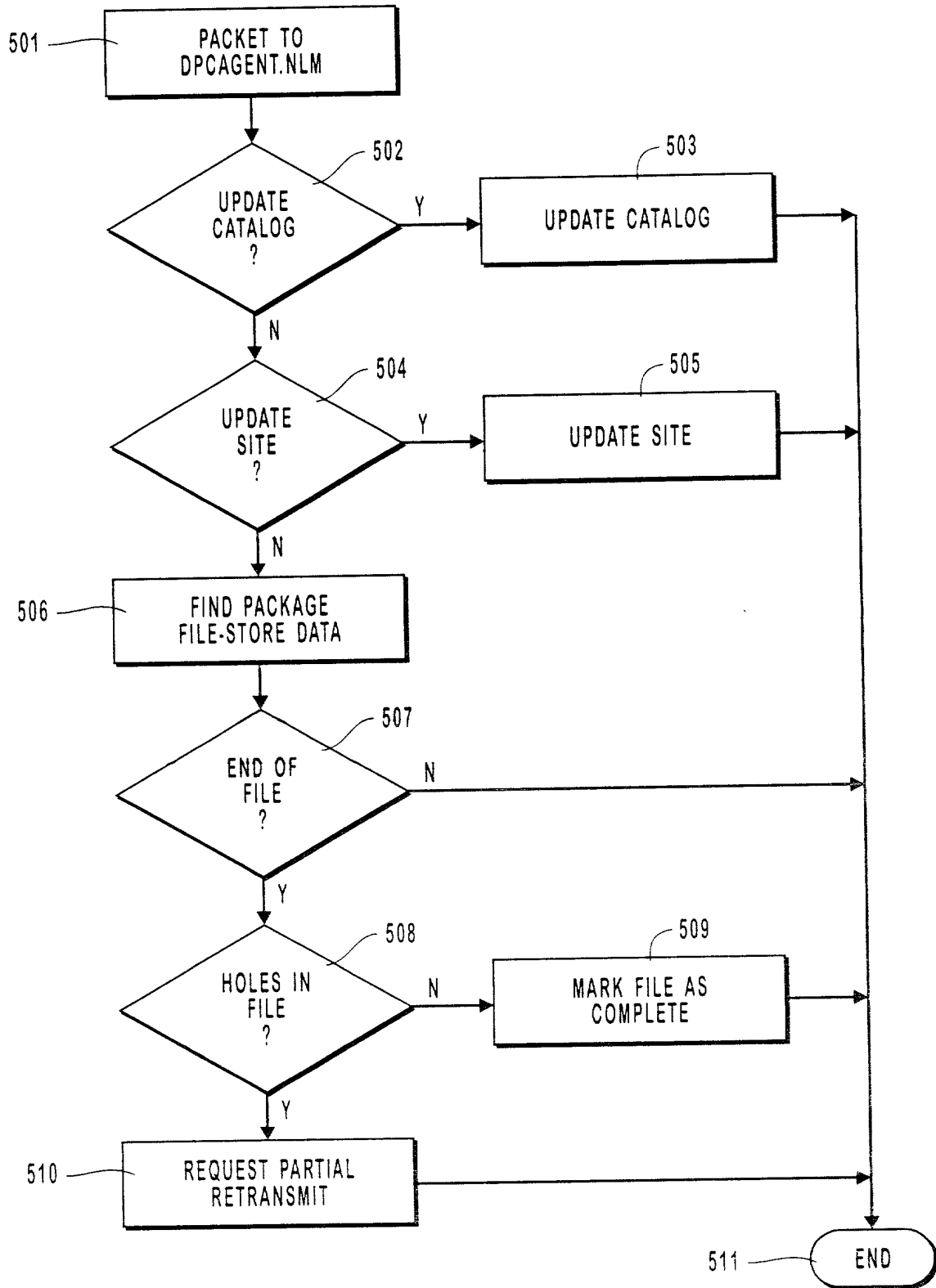


Fig. 5

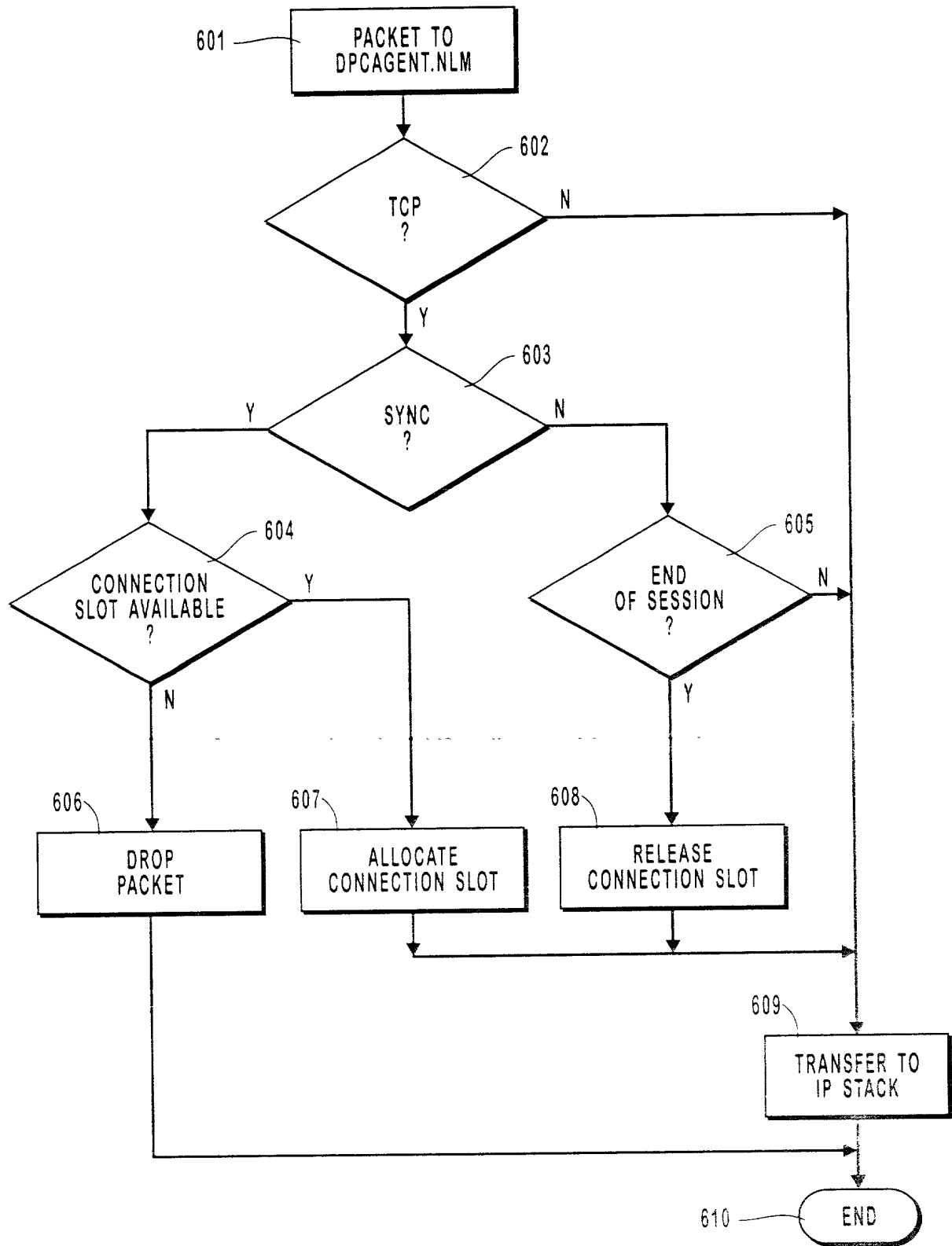


Fig. 6

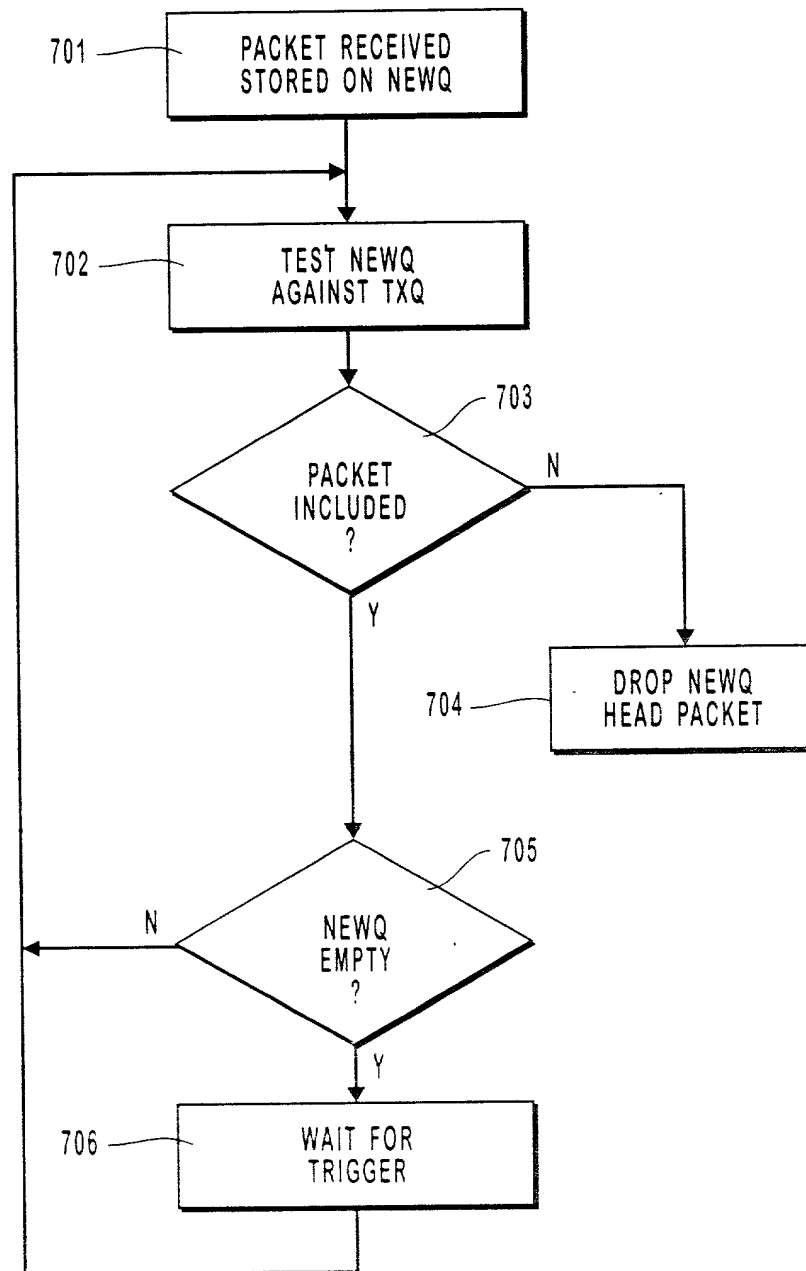


Fig. 7

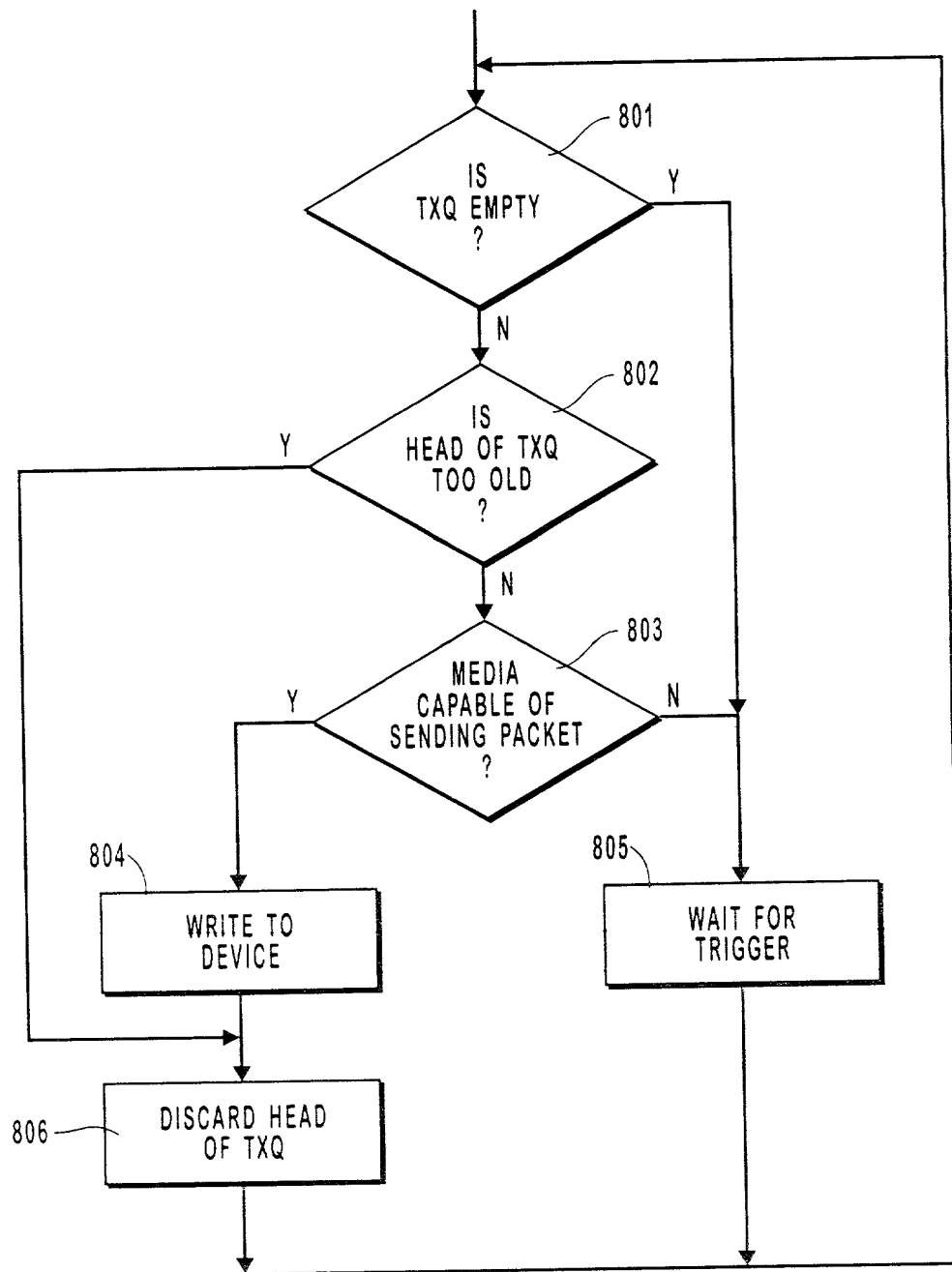
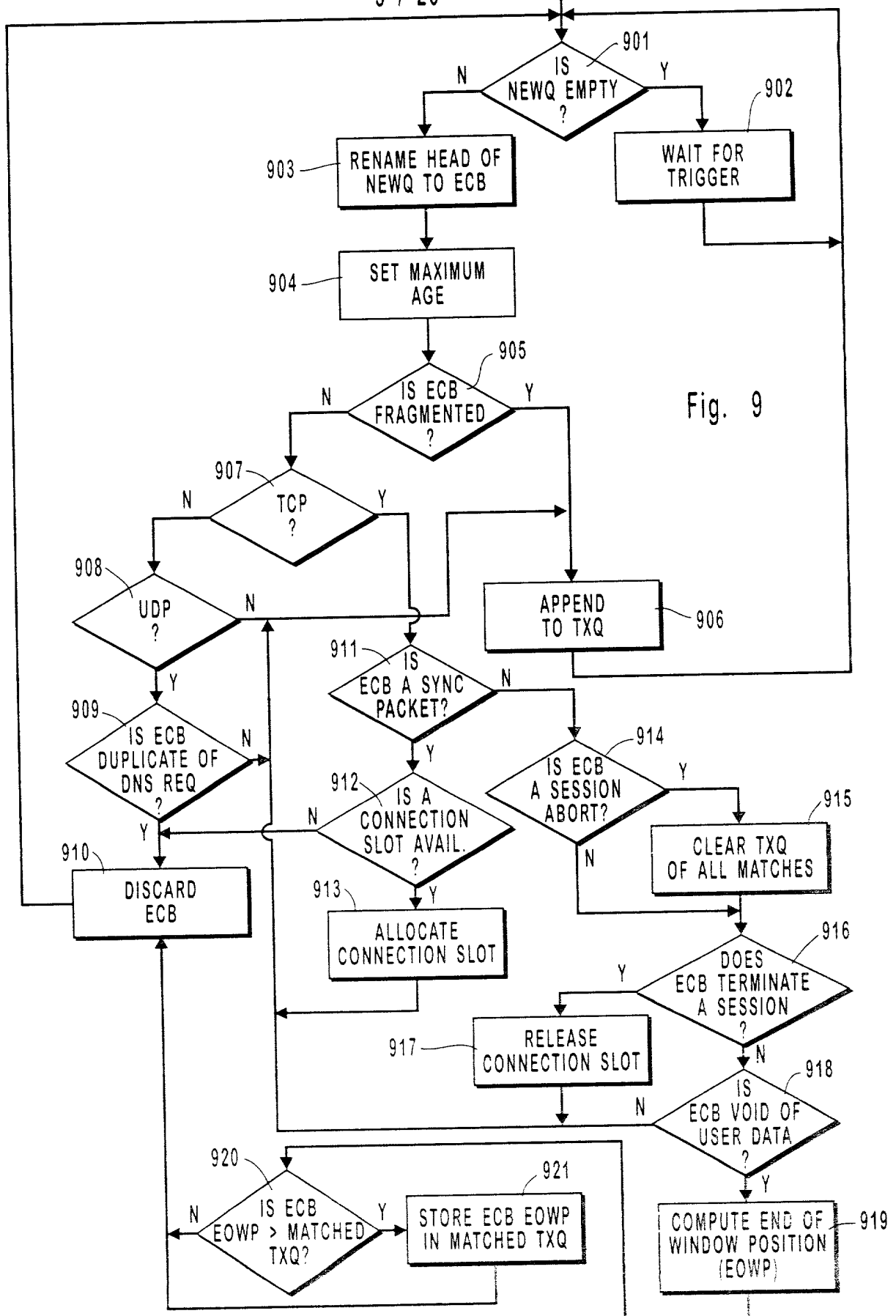


Fig. 8





**DPC AGENT PROGRAM 1.50**

**DPCAGENT Options**

Package Delivery

Display MLID Stats

DPC Configuration

Dish Pointing

Adapter Information

Modem Control

Exit DPCAGENT

Modem Status: IDLE      Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE      Users 50    Keys ☐ Signal ☐

Select an Option <Enter>

Fig. 10a-1

**DPC AGENT PROGRAM 1.50**

**Digital Package Delivery**

DIRECPC	AVI	Marilyn Avi
DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority

**Status**    <TAB> Sorting    <Enter> Details    <Ins> Download    <DEL> Cancel

Modem Status: IDLE      Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE      Users 50    Keys ☐ Signal ☐

Select an Option <Enter>

Fig. 10a-2

**DPC AGENT PROGRAM 1.50**

**DPCAGENT Options**

Package Delivery

Display MLID Stats

DPC Configuration

Dish Pointing

Adapter Information

Modem Control

Exit DPCAGENT

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: marilyn avi 52% 1755510/3374352

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10b-1

**DPC AGENT PROGRAM 1.50**

**Digital Package Delivery**

DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1
HELIUS	HELIUSDV	Helius 38MB File
HELIUS	HELIUSDV	Helius Costly File
HELIUS	HELIUSDV	Helius Test HIGH priority
CONFIRM DIRECPC	AVI	Marilyn Avi

**Status**   **<TAB>** Sorting   **<Enter>** Details   **<Ins>** Download   **<DEL>** Cancel

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10b-2

DPC AGENT PROGRAM 1.50			
Digital Package Delivery			
DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1	
HELIUS	HELIUSDV	Helius 38MB File	
HELIUS	HELIUSDV	Helius Costly File	
HELIUS	HELIUSDV	Helius Test HIGH priority	
NEEDED DIRECPC	AVI	Marilyn Avi	

**Status**   **<TAB>** Sorting   **<Enter>** Details   **<Ins>** Download   **<DEL>** Cancel  
 Modem Status: Dialing   Tx ☐ Rx ☐ Cd ☐  
 Package Status: IDLE  
 Select an Option <Enter>

Fig. 10c-1

DPC AGENT PROGRAM 1.50			
Digital Package Delivery			
DIRECPC	Win3x	Sports Ticker 16 Bit App for Win 3.1	
HELIUS	HELIUSDV	Helius 38MB File	
HELIUS	HELIUSDV	Helius Costly File	
HELIUS	HELIUSDV	Helius Test HIGH priority	
NEEDED DIRECPC	AVI	Marilyn Avi	

**Status**   **<TAB>** Sorting   **<Enter>** Details   **<Ins>** Download   **<DEL>** Cancel  
 Modem Status: Disconnecting from Package Delivery   Tx ☐ Rx ☐ Cd ☐  
 Package Status: marilyn.avi   20%   688512/3374352  
 Select an Option <Enter>   Users 50   Keys ☐ Signal ☐

Fig. 10c-2

**DPC AGENT PROGRAM 1.50**

DPC\_1\_EII [Dpc port=140 int=B frame=ETHERNET\_II]

Version 1.20  
 Node Address: 80AE000001  
 Protocols:  
   ARP  
   IP

Generic statistics

Total packets sent:	1
Total packets received:	0
No ECB available count:	0
Send packet too big count:	0
Reserved:	Not Supported
Receive packet overflow count:	0
Receive packet too big count:	0
Receive packet too small count:	Not Supported
Send packet miscellaneous errors:	0
Receive packet miscellaneous errors:	0

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐  
 Package Status: IDLE  
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10d-1

**DPC AGENT PROGRAM 1.50**

DPC\_1\_EII [Dpc port=140 int=B frame=ETHERNET\_II]

Send abort from excessive deferral 0  
 Receive abort from bad frame alignment 0

Custom statistics

Signal Quality	235
Rx Frequency	13,300
Largest Received IP Frame	0
Number of Receive IP Frames over 400	0
Ave size of Receive IP frames over 400	0
Mips Rx enable commands	0
Mips Rx disable commands	0
Mips frames accepted	6,962
Mips frames rejected from no filter match	1,489,475
Mips frames rejected from zero address	0
Mips frames rejected from adapter disabled	0
Mips frames rejected from low buffer pool	3,611,966

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐  
 Package Status: IDLE  
 Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10d-2

DPC AGENT PROGRAM 1.50	
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px; text-align: center;">DPC Configuration</div> <div style="border: 1px solid black; padding: 2px;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px; text-align: center;">Modem Configuration</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px; text-align: center;">Package Delivery Configuration</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Provider Configuration</div> </div> </div>	
Modem Status: IDLE <span style="float: right;">Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/></span> Package Status: IDLE Select an Option <Enter> <span style="float: right;">Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/></span>	

Fig. 10e-1

DPC AGENT PROGRAM 1.50																			
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">Modem Configuration Editor</div> <div style="border: 1px solid black; padding: 2px;"> <table> <tr><td>Packet Life(sec)</td><td>= 120</td></tr> <tr><td>Call Setup(sec)</td><td>= 60</td></tr> <tr><td>Aync Buffer Size</td><td>= 8192</td></tr> <tr><td>Dial Prefix</td><td>= ATDT</td></tr> <tr><td>Hangup Str</td><td>= ATH0</td></tr> <tr><td>Disconnect str</td><td>= NO CARRIER</td></tr> <tr><td>Escape Str</td><td>= +++</td></tr> <tr><td>Connect str</td><td>= CONNECT</td></tr> <tr><td>Init str</td><td>= AT&amp;F1</td></tr> </table> </div> </div>		Packet Life(sec)	= 120	Call Setup(sec)	= 60	Aync Buffer Size	= 8192	Dial Prefix	= ATDT	Hangup Str	= ATH0	Disconnect str	= NO CARRIER	Escape Str	= +++	Connect str	= CONNECT	Init str	= AT&F1
Packet Life(sec)	= 120																		
Call Setup(sec)	= 60																		
Aync Buffer Size	= 8192																		
Dial Prefix	= ATDT																		
Hangup Str	= ATH0																		
Disconnect str	= NO CARRIER																		
Escape Str	= +++																		
Connect str	= CONNECT																		
Init str	= AT&F1																		
Modem Status: IDLE <span style="float: right;">Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/></span> Package Status: IDLE Select an Option <Enter> <span style="float: right;">Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/></span>																			

Fig. 10e-2

DPC AGENT PROGRAM 1.50	
Package Delivery Configuration Editor	
Package Phone	= 1-800-825-3954
Package Baud	= 9600
Package Inactivity(sec)	= 10
Max Database Entries	= 1024
Modem Status: IDLE <span style="float: right;">Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/></span> Package Status: IDLE Select an Option <Enter> <span style="float: right;">Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/></span>	

Fig. 10f-1

DPC AGENT PROGRAM 1.50	
Provider Configuration Editor	
Outbound Protocol = Modem - PPP	
Internet Phone	= 343-2720
Internet Baud	= 57600
Internet MTU	= 1500
Internet Inactivity(sec)	= 180
IP Address(ISP)	= 153.35.210.185
Hybrid gateway Address	= 206.71.99.5
Auto Login Enabled	= No
Modify Auto login Script Modify PPP Configuration	
Modem Status: IDLE <span style="float: right;">Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/></span> Package Status: IDLE Select an Option <Enter> <span style="float: right;">Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/></span>	

Fig. 10f-2

DPC AGENT PROGRAM 1.50	
Login Script Editor	
Wait1:	Wait Timeout 1= 10
Send1:	
Wait2:	Wait Timeout 2= 5
Send2:	
Wait3:	Wait Timeout 3= 5
Send3:	
Wait4:	Wait Timeout 4= 5
Send4:	
Wait5:	Wait Timeout 5= 5
Send5:	
Wait6:	Wait Timeout 6= 5
Send6:	
Wait7:	Wait Timeout 7= 5
Send7:	
Wait8:	Wait Timeout 8= 5
Send8:	
Wait9:	Wait Timeout 9= 5
Send9:	
Modem Status: IDLE      Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/> Package Status: IDLE      Users 50    Keys <input type="checkbox"/> Signal <input type="checkbox"/> Select an Option <Enter>	

Fig. 10g-1

DPC AGENT PROGRAM 1.50	
Provider Configuration Editor	
Outbound Protocol = Modem - PPP	
PPP Configuration Editor	
Authentication User Name: Authentication Password :  Maximum Receive Unit : 1400 Asynch. Control Char Map: 0x0	
Modify Auto Login Script Modify PPP Configuration	
Modem Status: IDLE      Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/> Package Status: IDLE      Users 50    Keys <input type="checkbox"/> Signal <input type="checkbox"/> Select an Option <Enter>	

Fig. 10g-2



**DPC AGENT PROGRAM 1.50**

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**Provider Configuration Editor**

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Outbound Protocol = **Modem - PPP**

Internet Phone	=	<div style="border: 1px solid black; padding: 2px;"> Outbound Protocol  Modem - SLIP  Modem - PPP  LAN/WAN </div>
Internet Baud	=	
Internet MTU	=	
Internet Inactivity(sec)	=	
IP Address(ISP)	=	
Hybrid gateway Address	=	

Auto Login Enabled = No

Modify Auto login Script

Modify PPP Configuration

---

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10h-1

**DPC AGENT PROGRAM 1.50**

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**Provider Configuration Editor**

---

Outbound Protocol = LAN/WAN

---

**Network Route Configuration Editor**

---

Interface: 2

Router Mac Address: 00-00-0c-4a-55-f4

---

Auto Login Enabled = No

Modify Auto Login Script

Modify Network Configuration

---

Modem Status: IDLE Tx ☐ Rx ☐ Cd ☐

Package Status: IDLE

Select an Option <Enter> Users 50 Keys ☐ Signal ☐

Fig. 10h-2

DPC AGENT PROGRAM 1.50	
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> Dish Pointing  <div style="border: 1px solid black; padding: 2px; margin: 2px auto; width: 80%;"> Antenna Pointing Calculations  Signal Strength Meter </div> </div>	
Modem Status: IDLE	Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/>
Package Status: IDLE	
Select an Option <Enter>	Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/>

Fig. 10i-1

DPC AGENT PROGRAM 1.50	
<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> Antenna Pointing Calculations </div>	
Country = USA	Region = Utah
City = Orem	Service = Hughes
	Satellite = Galaxy 4
Satellite Longitude = 99	Hemisphere = West
Satellite Polarization = Horz	Frequency = 1330
Ground Longitude degrees = 111	minutes = 42 Hemisphere=West
Ground Latitude degrees = 40	minutes = 19 Hemisphere=North
COMPUTE NOW	
Elevation = 41.608868	
True Azimuth 160.800003	
Magnetic Azimuth 147.300003	
Polarization -14.500000	
Modem Status: IDLE	Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/>
Package Status: IDLE	
Select an Option <Enter>	Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/>

Fig. 10i-2

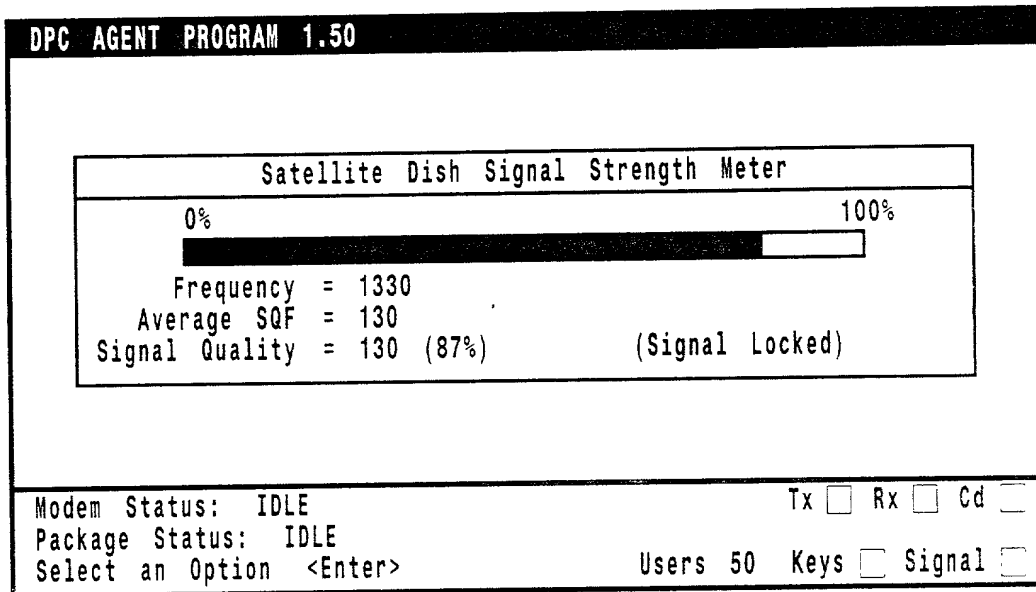


Fig. 10j-1

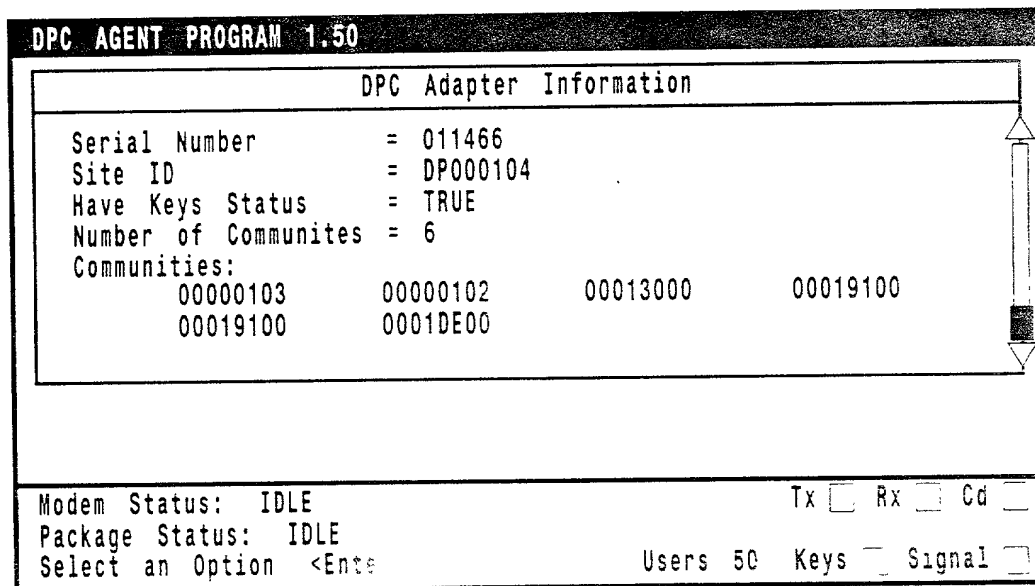


Fig. 10j-2

DPC AGENT PROGRAM 1.50	
<div>Modem Control Options</div> <div>Disconnect the Modem</div> <div>Dial the Internet</div> <div>Dial the Package Delivery</div> <div>Send to the Modem</div>	
Modem Status: IDLE	Tx <input type="checkbox"/> Rx <input type="checkbox"/> Cd <input type="checkbox"/>
Package Status: IDLE	
Select an Option <Enter>	Users 50 Keys <input type="checkbox"/> Signal <input type="checkbox"/>

Fig. 10k